

Sheet 1 (A) of 3

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SUBSTITUTE FORM PTO-1449 (MODIFIED)

U.S. DEPARTMENT OF COMMERCE
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ATTY. DOCKET NO.
NOR-9538

SERIAL NO.
09/829,305

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
Louis A. Rigali et al.

FILING DATE
April 9, 2001

GROUP
1763

(37 CFR 1.982)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	A.A	4 2 0 8 1 5 9	6/17/80	Uehara et al.	414	225	
	A.B	4 2 5 2 5 9 5	2/24/81	Yamamoto et al.	156	345	
	A.C	4 3 1 8 7 6 7	3/9/82	Hijkata et al.	156	345	
	A.D	4 4 0 5 4 3 5	9/20/83	Tateishi et al.	204	298	
	A.E	4 5 5 0 2 4 2	10/1985	Uehara et al.	156	345	
	A.F	4 5 7 5 2 9 9	3/1986	Layton	414	222	
	A.G	4 5 8 4 0 4 5	4/1986	Richards	156	345	
	A.H	4 6 3 7 8 5 3	1/20/87	Bumble et al.	156	345	
	A.I	4 7 0 5 4 4 4	11/1987	Tullis et al.	118	729X	
✓	A.J	4 8 1 6 1 1 6	3/1989	Davis	156	643	
	A.K	4 8 8 9 6 0 9	12/26/89	Canella	204	298	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
✓	A.L	6-21032	1/1994	Japan	XXXX	NO
✓	A.M	2828066	9/1998	Japan	XXXX	NO
	A.N					
	A.O					
	A.P					
	A.Q					

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

✓	A.R	Panasonic Factory Automation Company, <u>Plasma Cleaning Systems</u> , Brochure, 11/2000
✓	A.S	Panasonic Factory Automation Company, Japanese Brochure, 11/2000
✓	A.T	March Instruments, Inc., <u>In-Line Plasma System</u> , Brochure, 8/1995

EXAMINER
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DATE CONSIDERED
12/22/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
NOR-953B

Sheet 2 (B) of 3

SERIAL NO.
09/829,302

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
Louis A. Rigali et al.

(37 CFR 1.98(a))

Use several sheets if necessary)

FILING DATE
April 9, 2001

GROUP
1763

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	B.A. 5 0 4 4 8 7 1	9/1991	Davis et al.	414	786	
	B.B. 5 0 7 9 0 3 1	1/1992	Yamazaki et al.	118	729X	
	B.C. 5 1 1 6 6 4 0	5/1992	Mikami et al.	118	719X	
	B.D. 5 2 5 9 9 4 2	11/1993	Kempf	204	298.25	
	B.E. 5 2 8 6 2 9 6	2/1994	Sato	118	719	
	B.F. 5 2 8 8 6 8 4	2/1994	Yamazaki et al.	118	723 E X	
	B.G. 5 2 9 2 3 9 3	3/1994	Maydan	156	345	
	B.H. 5 3 0 2 0 7 7	4/1994	Sato	414	609	
	B.I. 5 3 0 3 6 7 1	4/19/94	Kondo et al.	118	719	
✓	B.J. 5 3 1 0 4 1 0	5/1994	Begin	29	25.01	
	B.K. 5 3 1 4 2 9 8	5/1994	Kim	414	797.9	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	B.L.					
	B.M.					
	B.N.					
	B.O.					
	B.P.					
	B.Q.					

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

B.R.	March Instruments, Inc., TEC Technology Advancement Center, Brochure, 2/1995
B.S.	
B.T.	

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ATTY. DOCKET NO.
NOR-953B

Sheet 3 (C) of 3

SERIAL NO.
08/829,606

INFORMATION DISCLOSURE
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APPLICANT
Louis A. Rigali et al.

FILING DATE
April 9, 2001

GROUP
1463

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ku	C.A 5 3 8 7 2 6 5	2/1995	Kakizaki et al.	118	730X	
	C.B 5 5 1 5 9 8 6	5/1996	Turlot et al.	156	345X	
	C.C 5 5 7 3 5 9 7	11/12/96	Lantsman	118	723MP	
	C.D 5 5 8 7 2 0 5	12/24/96	Saito et al.	427	553	
	C.E 5 6 4 7 9 4 2	7/1997	Haji	156	281	
	C.F 5 7 6 7 0 0 8	6/1998	Haji	438	612	
	C.G 5 7 7 9 8 0 7	7/1998	Dornfest et al.	134	1.2	
	C.H 5 8 2 3 4 1 6	10/20/98	Haji	228	4.5	7/9/96
	C.I 5 9 5 8 5 1 0	9/1991	Sivaramakrishnam et al.	427	255.6	
	C.J 6 0 9 3 9 0 4	7/25/00	Haji	219	121.45	7/15/98
	C.K					

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
C.L					
C.M					
C.N					
C.O					
C.P					
C.Q					

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

C.R	
C.S	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT Louis A. Rigali et al.		FILING DATE April 9, 2001							
(37 CFR 1.98(b))													
(Use several sheets if necessary)				MAR 2 2 2002 PATENT & TRADEMARK OFFICE		GROUP 1763							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.A	3	2	9	4	6	7	0	12/27/66	Charschan et al.	204	298	10/7/63
	A.B	3	6	4	1	9	7	3	2/15/72	Shrader	118	49	11/25/70
	A.C	4	2	7	8	5	2	8	7/14/81	Kuehnle et al.	204	298	10/9/79
	A.D	4	3	3	6	4	3	8	6/22/82	Uehara et al.	219	121PG	9/16/80
	A.E	4	4	1	8	6	3	9	12/6/83	Wills et al.	118	50	5/19/81
	A.F	4	5	5	0	2	3	9	10/29/85	Uehara et al.	219	121PG	9/27/82
	A.G	4	7	7	0	1	2	1	9/13/88	Ebata et al.	118	686	2/3/87
	A.H	4	8	1	6	6	3	8	3/28/89	Ukai et al.	219	121.43	10/20/87
	A.I	4	8	4	0	7	0	2	6/20/89	Schumacher, III	156	643	12/29/87
	A.J	5	0	3	0	0	5	6	7/9/91	Kitayama et al.	414	749	7/23/90
	A.K	5	0	8	6	7	2	9	2/11/92	Katagiri	118	729	6/13/89
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)						
	A.L	DE 3935002	4/1991	Germany			Abstract Only						
	A.M	59-164696	9/1984	Japan			Abstract Only						
	A.N	04-123430	4/1992	Japan			Abstract Only						
	A.O	03-023137	1/1991	Japan			Abstract Only						
	A.P	04-311044	11/1992	Japan			Abstract Only						
	A.Q	03-159143	7-1991	Japan			Abstract Only						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	A.R	Materials Research Corporation, 1.12 Inline production magnetron sputtering, Journal Article, 3 pages											
	A.S	Von Dr.-Ing M. Nowotnick, Fraunhofer-Einrichtung für Zuverlässigkeit und Mikrointegration (IZM), Berlin, Plasmabehandlung als umweltfreundliche Alternative in der Leiterplattenfertigung, Galvanotechnik D-88348 Saulgau 86 (1995) Nr. 4; Journal Article, 6 pages											
	A.T												
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09/829,305INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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(37 CFR 1.98(b))

APPLICANT
Louis A. Rigali et al.FILING DATE
April 9, 2001GROUP
1783

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	B.A.	5 2 1 6 2 2 3	6/1/93	Straemke	219	121.43	2/25/91
	B.B.	5 3 4 5 0 5 6	9/6/94	Frei et al.	219	121.59	12/12/91
	B.C.	5 4 3 3 3 7 1	7/18/95	Morisako	228	180.5	10/13/93
	B.D.	5 4 8 0 0 5 2	1/2/96	Furr et al.	216	71	10/22/93
	B.E.	5 4 9 2 2 6 5	2/20/96	Wandke	228	205	12/20/94
	B.F.	5 5 4 2 5 5 9	8/6/96	Kawakami et al.	216	67	2/14/94
	B.G.	5 5 7 6 6 2 9	11/19/96	Turner et al.	324	709	10/24/94
	B.H.	5 6 0 9 2 9 0	3/11/97	Bobbio et al.	228	206	4/20/95
	B.I.	5 6 3 4 7 6 5	6/3/97	Miyoshi	414	786	6/7/95
	B.J.	5 7 0 7 4 8 5	1/13/98	Rolfson et al.	156	643.1	12/20/95
	B.K.	5 9 7 2 1 6 3	10/28/99	Haji	156	345	2/6/98

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APPLICANT
Louis A. Rigali et al.

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(37 CFR 1.98(b))

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	C.A	6 3 3 1 3 4 7	12/18/01	Haji	428	209	4/1/98
	C.B						
	C.C						
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	C.E						
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